

Technical Data Sheet MOY PE (AVCL)

Product Description / Use:

MOY PE (Polyethylene) air and vapour control layer is an unsupported, age resistant and UV stabilised vapour barrier made from sheet polyethylene.

The air and vapour control layer (AVCL) can be applied on most common substrates.

The substrates should be smooth, dry and strong enough to support foot traffic. On rough surfaces a levelling layer must be installed beneath the AVCL.

The AVCL should be installed on the inner warm side of the construction, beneath the thermal insulation and in buildings with low/normal humidity levels. (See limitations).

Continuous sealing of the joints and at abutments or penetrations, prevents air leakage and water vapour transmission into the roof construction.

Benefits:

- Ease and speed of installation
- Flexible at low temperatures

Certification:



System Fire Testing:

Classification Standard BS EN 13501-5: 2016

Test Standard: CEN/TS 1187:2012

Determination of external fire performance is a system test which will be influenced by the components within the roofing system.

Whilst MOY PE may be included in compliant B_{ROOF (t4)} systems, always check with MOY Technical Services for the very latest information on fire testing carried out.

Technical Properties:

Table 1: Product Properties in accordance to EN 13984

Property	Value	Unit
Water tightness	Watertight at 2 kPa for 24 h	
Durability		
• resistance to water vapour of aged	Pass	
• resistance to chemicals	Pass	
Joint strength	NPD	
Tensile properties	NPD	
Resistance to impact	NPD	
Resistance to tearing (Nail Shank)	≥35 / ≥35	N



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L/T		
Reaction to fire	Class F	
Water vapour resistance	> 50	S _d -Value (m)
	> 2,72x10 ¹¹ ±30%	m ² sPa/kg
Dangerous substances	NPD	

Limitations:

MOY PE air and vapour control layer is not suitable for extended exposure to UV and should be covered as the work progresses.

High humidity buildings will require a foil faced vapour barrier (Sticker Helast VB 500 or Elotene DSN), or one with a foil lining within the membrane, like Vapobar 1 torch applied, or Sticker Sanded AL (Foilcore), self-adhesive AVCL.

Dimensions / Packaging:

Width:	4,00 m	 1454
Length:	50m	
Roll:	25,76 kg	
Pallet:	40 rolls	

Storage:

Store rolls horizontal on smooth surface and protected from direct sunlight, rain and snow. Do not stack pallets of rolls during transport or storage.

MOY PE AVCL should be kept dry with the rolls placed on pallets and protected at the building site with tarpaulins or similar.

Health, Environment & Safety:

There is no requirement for a material safety data sheet according to EC-regulation 1907/2006, article 31. The product does not harm the environment when used as specified.

Environment:

MOY PE air & vapour control layer contains no substances which are listed on REACH/ECHA's (European Chemicals Agency) candidate list. The AVCL contains no priority environmental pollutants or other relevant substances in quantities considered to be hazardous to health and the environment.

Leaching from the product is assessed to not adversely affect soil, ground water or drinking water.

Installation

MOY PE must be loose laid, with 150mm side and end laps suitably sealed with MOY self-adhesive jointing tape.

Installation to be carried out strictly according to MOY installation instructions.

MOY Materials Ltd has taken care to ensure that the information provided in the literature is correct and up to date. However, it is not intended to form any part of a contract or provide a guarantee. Purchasers/intending purchasers should contact MOY Technical to check whether there have been any changes to the information since publication of the literature. Please ensure you have read the hazard labels and material safety data sheet before using this product.